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 Structural organization, expression and promoter activity of a cold-stress-inducible gene of potato (*Solanum tuberosum* L.).
Plant Mol Biol. 1997 Mar;33(5):897-909.
 PMID: 9106513 [PubMed - indexed for MEDLINE]
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J Biol Chem. 1997 Jan 24;272(4):2578-82.
 PMID: 8999975 [PubMed - indexed for MEDLINE]
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 LSP1 is the major substrate for mitogen-activated protein kinase-activated protein kinase 2 in human neutrophils.
J Biol Chem. 1997 Jan 3;272(1):17-9.
 PMID: 8995217 [PubMed - indexed for MEDLINE]
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 Overexpression of RnRacGAP in *Drosophila melanogaster* deregulates cytoskeletal organisation in cellularising embryos and induces discrete imaginal phenotypes.
Mech Dev. 1997 Jan;61(1-2):49-62.
 PMID: 9076677 [PubMed - indexed for MEDLINE]
- 27: Licitra EJ, Lju JO. [Related Articles](#), [Links](#)
 A three-hybrid system for detecting small ligand-protein receptor interactions.
Proc Natl Acad Sci U S A. 1996 Nov 12;93(23):12817-21.
 PMID: 8917502 [PubMed - indexed for MEDLINE]
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 Evidence for the existence of a novel mechanism for the nuclear import of Hsc70.
Exp Cell Res. 1996 Oct 10;228(1):84-91.
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Pax-6 and alphaB-crystallin/small heat shock protein gene regulation in the murine lens. Interaction with the lens-specific regions, LSR1 and LSR2.
J Biol Chem. 1996 Sep 20;271(38):23029-36.
PMID: 8798491 [PubMed - indexed for MEDLINE]

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A humanized system for pharmacologic control of gene expression.
Nat Med. 1996 Sep;2(9):1028-32.
PMID: 8782462 [PubMed - indexed for MEDLINE]

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PMID: 8663379 [PubMed - indexed for MEDLINE]

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PMID: 8647651 [PubMed - indexed for MEDLINE]

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Effect of overexpression of the small heat shock protein HSP27 on the heat and drug sensitivities of human testis tumor cells.
Cancer Res. 1996 May 15;56(10):2446-51.
PMID: 8625326 [PubMed - indexed for MEDLINE]

35: [Uemura T, Oda H, Kraut R, Hayashi S, Kotaoka Y, Takeichi M.](#)

[Related Articles](#), [Links](#)

Zygotic Drosophila E-cadherin expression is required for processes of dynamic epithelial cell rearrangement in the Drosophila embryo.
Genes Dev. 1996 Mar 15;10(6):659-71.
PMID: 8598294 [PubMed - indexed for MEDLINE]

36: [Wotton D, Freeman K, Shore D.](#)

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Multimerization of Hsp42p, a novel heat shock protein of *Saccharomyces cerevisiae*, is dependent on a conserved carboxyl-terminal sequence.
J Biol Chem. 1996 Feb 2;271(5):2717-23.
PMID: 8576246 [PubMed - indexed for MEDLINE]

37: [Gopal-Srivastava R, Haynes JI 2nd, Piatigorsky J.](#)

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Regulation of the murine alpha B-crystallin/small heat shock protein gene in cardiac muscle.
Mol Cell Biol. 1995 Dec;15(12):7081-90.
PMID: 8524275 [PubMed - indexed for MEDLINE]

38: [Engel K, Schultz H, Martin E, Kotlyarov A, Plath K, Hahn M, Heinemann U, Gaestel M.](#)

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Constitutive activation of mitogen-activated protein kinase-activated protein kinase 2 by mutation of phosphorylation sites and an A-helix motif.
J Biol Chem. 1995 Nov 10;270(45):27213-21.
PMID: 7592979 [PubMed - indexed for MEDLINE]

39: Yeh CH, Yeh KW, Wu SH, Chang PF, Chen YM, Lin CY.

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 A recombinant rice 16.9-kDa heat shock protein can provide thermoprotection in vitro.

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PMID: 8564303 [PubMed - indexed for MEDLINE]

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 Rop and Ras2, members of the Sec1 and Ras families, are localized in the outer membranes of labyrinthine channels and vesicles of Drosophila nephrocyte, the garland cell.

Eur J Cell Biol. 1995 Jul;67(3):275-83.

PMID: 7588884 [PubMed - indexed for MEDLINE]

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- 1: Yamazaki K, Nguyen T, Podack ER. Related Articles, Links
Cutting edge: tumor secreted heat shock-fusion protein elicits CD8 cells for rejection.
J Immunol. 1999 Nov 15;163(10):5178-82.
 PMID: 10553037 [PubMed - indexed for MEDLINE]
- 2: Jobin MP, Garmyn D, Divies C, Guzzo J. Related Articles, Links
The Oenococcus oeni clpX homologue is a heat shock gene preferentially expressed in exponential growth phase.
J Bacteriol. 1999 Nov;181(21):6634-41.
 PMID: 10542163 [PubMed - indexed for MEDLINE]
- 3: Servant P, Rapoport G, Mazodier P. Related Articles, Links
RheA, the repressor of hsp18 in Streptomyces albus G.
Microbiology. 1999 Sep;145 (Pt 9):2385-91.
 PMID: 10517591 [PubMed - indexed for MEDLINE]
- 4: Kaan T, Jurgen B, Schweder T. Related Articles, Links
Regulation of the expression of the cold shock proteins CspB and CspC in Bacillus subtilis.
Mol Gen Genet. 1999 Sep;262(2):351-4.
 PMID: 10517332 [PubMed - indexed for MEDLINE]
- 5: Kobayashi N, Freund SM, Chatellier J, Zahn R, Fersht AR. Related Articles, Links
NMR analysis of the binding of a rhodanese peptide to a minichaperone in solution.
J Mol Biol. 1999 Sep 10;292(1):181-90.
 PMID: 10493867 [PubMed - indexed for MEDLINE]
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Construction of modular and versatile plasmid vectors for the high-level expression of single or multiple genes in insects and insect cell lines.
J Mol Biol. 1999 Apr 23;288(1):13-20.
 PMID: 10329122 [PubMed - indexed for MEDLINE]
- 7: Huang YS, Chuang DT. Related Articles, Links
Mechanisms for GroEL/GroES-mediated folding of a large 86-kDa fusion polypeptide in vitro.
J Biol Chem. 1999 Apr 9;274(15):10405-12.
 PMID: 10187830 [PubMed - indexed for MEDLINE]
- 8: Muchowski PJ, Valdez MM, Clark JI. Related Articles, Links
AlphaB-crystallin selectively targets intermediate filament proteins during thermal stress.
Invest Ophthalmol Vis Sci. 1999 Apr;40(5):951-8.
 PMID: 10102292 [PubMed - indexed for MEDLINE]

9: [Lambert H, Charette SJ, Bernier AF, Guimond A, Landry J.](#)

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HSP27 multimerization mediated by phosphorylation-sensitive intermolecular interactions at the amino terminus.
J Biol Chem. 1999 Apr 2;274(14):9378-85.
PMID: 10092617 [PubMed - indexed for MEDLINE]

10: [Mairesse N, Bernaert D, Del Bino G, Hormann S, Mosselmans R, Robaye B, Galand P.](#) [Related Articles](#), [Links](#)

Expression of HSP27 results in increased sensitivity to tumor necrosis factor, etoposide, and H₂O₂ in an oxidative stress-resistant cell line.
J Cell Physiol. 1998 Dec;177(4):606-17.
PMID: 10092213 [PubMed - indexed for MEDLINE]

11: [Liu C, Welsh MJ.](#) [Related Articles](#), [Links](#)

Identification of a site of Hsp27 binding with Hsp27 and alpha B-crystallin as indicated by the yeast two-hybrid system.
Biochem Biophys Res Commun. 1999 Feb 16;255(2):256-61.
PMID: 10049695 [PubMed - indexed for MEDLINE]

12: [Wang L, Elliott M, Elliott T.](#) [Related Articles](#), [Links](#)

Conditional stability of the HemA protein (glutamyl-tRNA reductase) regulates heme biosynthesis in *Salmonella typhimurium*.
J Bacteriol. 1999 Feb;181(4):1211-9.
PMID: 9973348 [PubMed - indexed for MEDLINE]

13: [Takayama S, Krajewski S, Krajewska M, Kitada S, Zapata JM, Kochel K, Knee D, Scudiero D, Tudor G, Miller GJ, Miyashita T, Yamada M, Reed JC.](#) [Related Articles](#), [Links](#)

Expression and location of Hsp70/Hsc-binding anti-apoptotic protein BAG-1 and its variants in normal tissues and tumor cell lines.
Cancer Res. 1998 Jul 15;58(14):3116-31.
PMID: 9679980 [PubMed - indexed for MEDLINE]

14: [Stockwell BR, Schreiber SL.](#) [Related Articles](#), [Links](#)

TGF-beta-signaling with small molecule FKBP12 antagonists that bind myristoylated FKBP12-TGF-beta type I receptor fusion proteins.
Chem Biol. 1998 Jul;5(7):385-95.
PMID: 9662508 [PubMed - indexed for MEDLINE]

15: [Plesofsky-Vig N, Brambl R.](#) [Related Articles](#), [Links](#)

Characterization of an 88-kDa heat shock protein of *Neurospora crassa* that interacts with Hsp30.
J Biol Chem. 1998 May 1;273(18):11335-41.
PMID: 9556627 [PubMed - indexed for MEDLINE]

16: [Su TT, Sprenger F, DiGregorio PJ, Campbell SD, O'Farrell PH.](#) [Related Articles](#), [Links](#)

Exit from mitosis in *Drosophila* syncytial embryos requires proteolysis and cyclin degradation, and is associated with localized dephosphorylation.
Genes Dev. 1998 May 15;12(10):1495-503.
PMID: 9585509 [PubMed - indexed for MEDLINE]

17: [Nyanguile O, Uesugi M, Austin DJ, Verdine GL.](#) [Related Articles](#), [Links](#)

A nonnatural transcriptional coactivator.
Proc Natl Acad Sci U S A. 1997 Dec 9;94(25):13402-6.
PMID: 9391036 [PubMed - indexed for MEDLINE]

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A yeast genetic system for selecting small molecule inhibitors of protein-protein interactions in nanodroplets.
Proc Natl Acad Sci U S A. 1997 Dec 9;94(25):13396-401.
PMID: 9391035 [PubMed - indexed for MEDLINE]

19: [Oesterreich S, Lee AV, Sullivan TM, Samuel SK, Davie JR, Fuqua SA.](#) Related Articles, Links

Novel nuclear matrix protein HET binds to and influences activity of the HSP27 promoter in human breast cancer cells.
J Cell Biochem. 1997 Nov 1;67(2):275-86.
PMID: 9328833 [PubMed - indexed for MEDLINE]

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Isolation and characterization of kar2-404 mutation in *Saccharomyces cerevisiae*.
Biosci Biotechnol Biochem. 1997 Jul;61(7):1172-8.
PMID: 9255982 [PubMed - indexed for MEDLINE]

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 Purification of a dichlorophenol-indophenol oxidoreductase from rat and bovine synaptic membranes: tight complex association of a glyceraldehyde-3-phosphate dehydrogenase isoform, TOAD64, enolase-gamma and aldolase C. Biochem J. 1997 Jun 1;324 (Pt 2):555-63.
 PMID: 9182718 [PubMed - indexed for MEDLINE]
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 Examination of the molecular basis for the lack of alphaB-crystallin expression in L929 cells. Mol Cell Biochem. 1997 May;170(1-2):31-42.
 PMID: 9144316 [PubMed - indexed for MEDLINE]
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 PMID: 9083109 [PubMed - indexed for MEDLINE]
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 PMID: 9106513 [PubMed - indexed for MEDLINE]
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 PMID: 8892974 [PubMed - indexed for MEDLINE]

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Pax-6 and alphaB-crystallin/small heat shock protein gene regulation in the murine lens. Interaction with the lens-specific regions, LSR1 and LSR2. J Biol Chem. 1996 Sep 20;271(38):23029-36.
PMID: 8798491 [PubMed - indexed for MEDLINE]

30: Rivera VM, Clackson T, Natesan S, Pollock R, Amara JF, Keenan T, Magari SR, Phillips T, Courage NL, Cerasoli F Jr, Holt DA, Gilman M.

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A humanized system for pharmacologic control of gene expression. Nat Med. 1996 Sep;2(9):1028-32.
PMID: 8782462 [PubMed - indexed for MEDLINE]

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PMID: 8663379 [PubMed - indexed for MEDLINE]

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PMID: 8666232 [PubMed - indexed for MEDLINE]

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PMID: 8647651 [PubMed - indexed for MEDLINE]

34: Cross SJ, Ciruela A, Poomputsa K, Romaniec MP, Freedman RB.

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Thermostable chaperonin from *Clostridium thermocellum*. Biochem J. 1996 Jun 1;316 (Pt 2):615-22.
PMID: 8687408 [PubMed - indexed for MEDLINE]

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Effect of overexpression of the small heat shock protein HSP27 on the heat and drug sensitivities of human testis tumor cells. Cancer Res. 1996 May 15;56(10):2446-51.
PMID: 8625326 [PubMed - indexed for MEDLINE]

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PMID: 8576246 [PubMed - indexed for MEDLINE]

37: Gopal-Srivastava R, Haynes JI 2nd, Piatigorsky J.

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Regulation of the murine alpha B-crystallin/small heat shock protein gene in cardiac muscle. Mol Cell Biol. 1995 Dec;15(12):7081-90.
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PMID: 7592979 [PubMed - indexed for MEDLINE]

39: Yeh CH, Yeh KW, Wu SH, Chang PF, Chen YM, Lin CY.

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Plant Cell Physiol. 1995 Oct;36(7):1341-8.

PMID: 8564303 [PubMed - indexed for MEDLINE]

40: Perez-Perez J, Martinez-Caja C, Barbero JL, Gutierrez J.

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DnaK/DnaJ supplementation improves the periplasmic production of human granulocyte-colony stimulating factor in Escherichia coli.

Biochem Biophys Res Commun. 1995 May 16;210(2):524-9.

PMID: 7538761 [PubMed - indexed for MEDLINE]

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 Interleukin 1-induced phosphorylation of MAD3, the major inhibitor of nuclear factor kappa B of HeLa cells. Interference in signalling by the proteinase inhibitors 3,4-dichloroisocoumarin and tosylphenylalanyl chloromethylketone. *Biochem J.* 1995 Apr 1;307 (Pt 1):287-95.
 PMID: 7717987 [PubMed - indexed for MEDLINE]
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 A small RNA acts as an antisilencer of the H-NS-silenced rcsA gene of *Escherichia coli*. *Proc Natl Acad Sci U S A.* 1995 Mar 14;92(6):2003-7.
 PMID: 7534408 [PubMed - indexed for MEDLINE]
- 43: [Mehlen P, Preville X, Chareyron P, Briolay J, Klemenz R, Arrigo AP.](#) Related Articles, Links
 Constitutive expression of human hsp27, *Drosophila* hsp27, or human alpha B-crystallin confers resistance to TNF- and oxidative stress-induced cytotoxicity in stably transfected murine L929 fibroblasts. *J Immunol.* 1995 Jan 1;154(1):363-74.
 PMID: 7995955 [PubMed - indexed for MEDLINE]
- 44: [Sherman M, Goldberg AL.](#) Related Articles, Links
 Heat shock-induced phosphorylation of GroEL alters its binding and dissociation from unfolded proteins. *J Biol Chem.* 1994 Dec 16;269(50):31479-83.
 PMID: 7527389 [PubMed - indexed for MEDLINE]
- 45: [Yabe N, Takahashi T, Komeda Y.](#) Related Articles, Links
 Analysis of tissue-specific expression of *Arabidopsis thaliana* HSP90-family gene HSP81. *Plant Cell Physiol.* 1994 Dec;35(8):1207-19.
 PMID: 7697294 [PubMed - indexed for MEDLINE]
- 46: [Rouse J, Cohen P, Trigon S, Morange M, Alonso-Llamazares A, Zamanillo D, Hunt T, Nebreda AR.](#) Related Articles, Links
 A novel kinase cascade triggered by stress and heat shock that stimulates MAPKAP kinase-2 and phosphorylation of the small heat shock proteins. *Cell.* 1994 Sep 23;78(6):1027-37.
 PMID: 7923353 [PubMed - indexed for MEDLINE]
- 47: [Dessauer CW, Bartlett SG.](#) Related Articles, Links
 Identification of a chaperonin binding site in a chloroplast precursor protein. *J Biol Chem.* 1994 Aug 5;269(31):19766-76.
 PMID: 7914191 [PubMed - indexed for MEDLINE]
- 48: [Clos J, Brandau S.](#) Related Articles, Links
 pJC20 and pJC40--two high-copy-number vectors for T7 RNA polymerase-

- dependent expression of recombinant genes in *Escherichia coli*.
Protein Expr Purif. 1994 Apr;5(2):133-7.
PMID: 8054844 [PubMed - indexed for MEDLINE]
- 49: Schoneck R, Plumas-Marty B, Taibi A, Billaut-Mulot O, Loyens M, Gras- Masse H, Capron A, Ouaissi A. Related Articles, Links
 Trypanosoma cruzi cDNA encodes a tandemly repeated domain structure characteristic of small stress proteins and glutathione S-transferases.
Biol Cell. 1994;80(1):1-10.
PMID: 8054880 [PubMed - indexed for MEDLINE]
- 50: Shen P, Xie ZJ, Li H, Sanchez ER. Related Articles, Links
 Glucocorticoid receptor conversion to high affinity nuclear binding and transcription enhancement activity in Chinese hamster ovary cells subjected to heat and chemical stress.
J Steroid Biochem Mol Biol. 1993 Dec;47(1-6):55-64.
PMID: 8274442 [PubMed - indexed for MEDLINE]
- 51: Gopal-Srivastava R, Piatigorsky J. Related Articles, Links
 The murine alpha B-crystallin/small heat shock protein enhancer: identification of alpha BE-1, alpha BE-2, alpha BE-3, and MRF control elements.
Mol Cell Biol. 1993 Nov;13(11):7144-52.
PMID: 8413303 [PubMed - indexed for MEDLINE]
- 52: Sherman MY, Goldberg AL. Related Articles, Links
 Heat shock of *Escherichia coli* increases binding of dnaK (the hsp70 homolog) to polypeptides by promoting its phosphorylation.
Proc Natl Acad Sci U S A. 1993 Sep 15;90(18):8648-52.
PMID: 8378342 [PubMed - indexed for MEDLINE]
- 53: Wu HB, Feist GL, Hemmingsen SM. Related Articles, Links
 A modified *Escherichia coli* chaperonin (groEL) polypeptide synthesized in tobacco and targeted to the chloroplasts.
Plant Mol Biol. 1993 Sep;22(6):1087-100.
PMID: 8104528 [PubMed - indexed for MEDLINE]
- 54: Cheng L, Kirk N, Piper PW. Related Articles, Links
 A small influence of HSP90 levels on the trehalose and heat shock element inductions of the yeast heat shock response.
Biochem Biophys Res Commun. 1993 Aug 31;195(1):201-7.
PMID: 8363601 [PubMed - indexed for MEDLINE]
- 55: Escher A, Szalay AA. Related Articles, Links
 GroE-mediated folding of bacterial luciferases in vivo.
Mol Gen Genet. 1993 Apr;238(1-2):65-73.
PMID: 8097558 [PubMed - indexed for MEDLINE]
- 56: Kojima T, Sone M, Michiue T, Saigo K. Related Articles, Links
 Mechanism of induction of Bar-like eye malformation by transient overexpression of Bar homeobox genes in *Drosophila melanogaster*.
Genetica. 1993;88(2-3):85-91.
PMID: 7901124 [PubMed - indexed for MEDLINE]
- 57: Bevilacqua A, Kinnunen LH, Mangia F. Related Articles, Links
 Genetic manipulation of mammalian dictyate oocytes: factors affecting transient expression of microinjected DNA templates.
Mol Reprod Dev. 1992 Oct;33(2):124-30.
PMID: 1329862 [PubMed - indexed for MEDLINE]
- 58: Birkeland S. Related Articles, Links
The molecular biology and diagnostics of *Chlamydia trachomatis*.

 Dan Med Bull. 1992 Aug;39(4):304-20.
PMID: 1526183 [PubMed - indexed for MEDLINE]

59: [Jiang J, Rushlow CA, Zhou Q, Small S, Levine M.](#)

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 Individual dorsal morphogen binding sites mediate activation and repression in the *Drosophila* embryo.
EMBO J. 1992 Aug;11(8):3147-54.
PMID: 1322296 [PubMed - indexed for MEDLINE]

60: [Wynn RM, Davie JR, Cox RP, Chuang DT.](#)

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 Chaperonins groEL and groES promote assembly of heterotetramers (alpha 2 beta 2) of mammalian mitochondrial branched-chain alpha-keto acid decarboxylase in *Escherichia coli*.
J Biol Chem. 1992 Jun 25;267(18):12400-3.
PMID: 1352285 [PubMed - indexed for MEDLINE]

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 1: Stevens A, Augusteyn RC.

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Isolation of alpha-crystallin subunits by gel filtration.
Curr Eye Res. 1987 May;6(5):739-40.
PMID: 3595184 [PubMed - indexed for MEDLINE]

 2: Stevens A, Augusteyn RC.

Related Articles, Links

Isolation of alpha-crystallin and its subunits by affinity chromatography on immobilized monoclonal antibodies.
Exp Eye Res. 1988 Apr;46(4):499-505.
PMID: 3384010 [PubMed - indexed for MEDLINE]

 3: Thomson JA, Augusteyn RC.

Related Articles, Links

On the structure of alpha m-crystallin. The reversibility of urea dissociation.
J Biol Chem. 1984 Apr 10;259(7):4339-45.
PMID: 6707007 [PubMed - indexed for MEDLINE]

 4: van Noort JM, van Veelen P, Hopstaken F.

Related Articles, Links

Purification of the stress protein alpha B-crystallin and its differentially phosphorylated forms.
J Immunol Methods. 1998 Dec 1;221(1-2):159-68.
PMID: 9894907 [PubMed - indexed for MEDLINE]

 5: Siezen RJ, Bindels JG, Hoenders HJ.

Related Articles, Links

The quaternary structure of bovine alpha-crystallin. Size and charge microheterogeneity: more than 1000 different hybrids?
Eur J Biochem. 1978 Nov 15;91(2):387-96.
PMID: 729577 [PubMed - indexed for MEDLINE]

 6: Augusteyn RC, Ellerton HD, Putilina T, Stevens A.

Related Articles, Links

Specific dissociation of alpha B subunits from alpha-crystallin.
Biochim Biophys Acta. 1988 Nov 23;957(2):192-201.
PMID: 3191137 [PubMed - indexed for MEDLINE]

 7: Manski W, Malinowski K.

Related Articles, Links

Interaction between the constituent A and B lens alpha-crystallin subunits leading to formation of alpha-neoprotein molecules.
Arch Biochem Biophys. 1983 Oct 15;226(2):531-8.
PMID: 6195968 [PubMed - indexed for MEDLINE]

 8: Carver JA, Aquilina JA, Truscott RJ.

Related Articles, Links

An investigation into the stability of alpha-crystallin by NMR spectroscopy; evidence for a two-domain structure.
Biochim Biophys Acta. 1993 Jun 24;1164(1):22-8.
PMID: 8518294 [PubMed - indexed for MEDLINE]

 9: Doss EW, Ward KA, Koretz JF.

Related Articles, Links

Preliminary studies on the aggregation process of alpha-crystallin.

Exp Eye Res. 1997 Aug;65(2):255-66.
PMID: 9268594 [PubMed - indexed for MEDLINE]

10: McDermott MJ, Chiesa R, Spector A.

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Purification of a 43,000 dalton aggregate generated from alpha-crystallin.
Curr Eye Res. 1989 Aug;8(8):771-9.
PMID: 2791625 [PubMed - indexed for MEDLINE]

11: Gopalakrishnan S, Boyle D, Takemoto L.

[Related Articles](#), [Links](#)

Preferential interaction of alpha crystallin with denatured forms of gamma crystallin.
Invest Ophthalmol Vis Sci. 1994 Feb;35(2):382-7.
PMID: 8112985 [PubMed - indexed for MEDLINE]

12: Aerts T, Clauwaert J, Haezebrouck P, Peeters E, Van Dael H.

[Related Articles](#), [Links](#)

Interaction of detergents with bovine lens alpha-crystallin: evidence for an oligomeric structure based on amphiphilic interactions.
Eur Biophys J. 1997;25(5-6):445-54.
PMID: 9188167 [PubMed - indexed for MEDLINE]

13: Thomson JA, Augusteyn RC.

[Related Articles](#), [Links](#)

alpha m-Crystallin: the native form of the protein?
Exp Eye Res. 1983 Oct;37(4):367-77.
PMID: 6641820 [PubMed - indexed for MEDLINE]

14: Thomson JA, Augusteyn RC.

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On the structure of alpha-crystallin: construction of hybrid molecules and homopolymers.
Biochim Biophys Acta. 1989 Feb 23;994(3):246-52.
PMID: 2920187 [PubMed - indexed for MEDLINE]

15: Pal JK, Nerurkar AR, Goel SC.

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Studies on the water-soluble lens proteins of the lizard, Calotes versicolor. II. Electrophoretic and immunological characterization.
J Exp Zool. 1982 Dec 30;224(3):299-306.
PMID: 6185621 [PubMed - indexed for MEDLINE]

16: Ostrovsky MA, Sergeev YV, Atkinson DB, Soustov LV, Hejtmancik JE.

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Comparison of ultraviolet induced photo-kinetics for lens-derived and recombinant beta-crystallins.
Mol Vis. 2002 Mar 20;8:72-8.
PMID: 11951082 [PubMed - indexed for MEDLINE]

17: Stapel SO, Zweers A, Dodemont HJ, Kan JH, de Jong WW.

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epsilon-Crystallin, a novel avian and reptilian eye lens protein.
Eur J Biochem. 1985 Feb 15;147(1):129-36.
PMID: 3971972 [PubMed - indexed for MEDLINE]

18: Wang K, Spector A.

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The chaperone activity of bovine alpha crystallin. Interaction with other lens crystallins in native and denatured states.
J Biol Chem. 1994 May 6;269(18):13601-8.
PMID: 7909809 [PubMed - indexed for MEDLINE]

19: Santhoshkumar P, Sharma KK.

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Analysis of alpha-crystallin chaperone function using restriction enzymes and citrate synthase.
Mol Vis. 2001 Jul 26;7:172-7.
PMID: 11483893 [PubMed - indexed for MEDLINE]

20: Mehta PD, Lerman S.

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Related Articles, Links

Acid-induced dissociation of alpha A- and alpha B-crystallin homopolymers.

Stevens A, Augusteyn RC.

National Vision Research Institute of Australia, Carlton, Victoria.

Homopolymers were constructed from the alpha A and alpha B polypeptides isolated from the lens protein alpha-crystallin. As the pH is lowered from 7.0 to 3.4, these homopolymers dissociate to smaller species with molecular masses ranging from 80 to 250 kDa for the alpha A and around 140 kDa for the alpha B dissociation products. The pKa for this dissociation was 3.8 +/- 0.2 for alpha A and 4.1 +/- 0.1 for alpha B homopolymers. Further decreases in pH, to 2.5, resulted in the presence of only denatured alpha B polypeptides, whereas the alpha A dissociation products remained intact. Fractionation of the acid dissociation products from the alpha A homopolymer at pH 2.5 yielded stable species with molecular masses of 220 +/- 30, 160 +/- 20, and 90 +/- 10 kDa. The majority of the population at acid pH consisted of the 160 kDa species. Conformational analysis of these species revealed that most of the secondary structure of the original alpha A homopolymer was retained but that the tertiary structure was perturbed. Fluorescence quenching and energy transfer measurements suggested that the molecule had undergone acid expansion, with the greatest perturbation observed in the smallest particles. The results from this work suggest that alpha A homopolymers are heterogeneous populations of aggregates of a "monomeric" molecule with a molecular mass of 160 kDa. This "monomeric" molecule may be formed from the association of two tetrameric units.

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